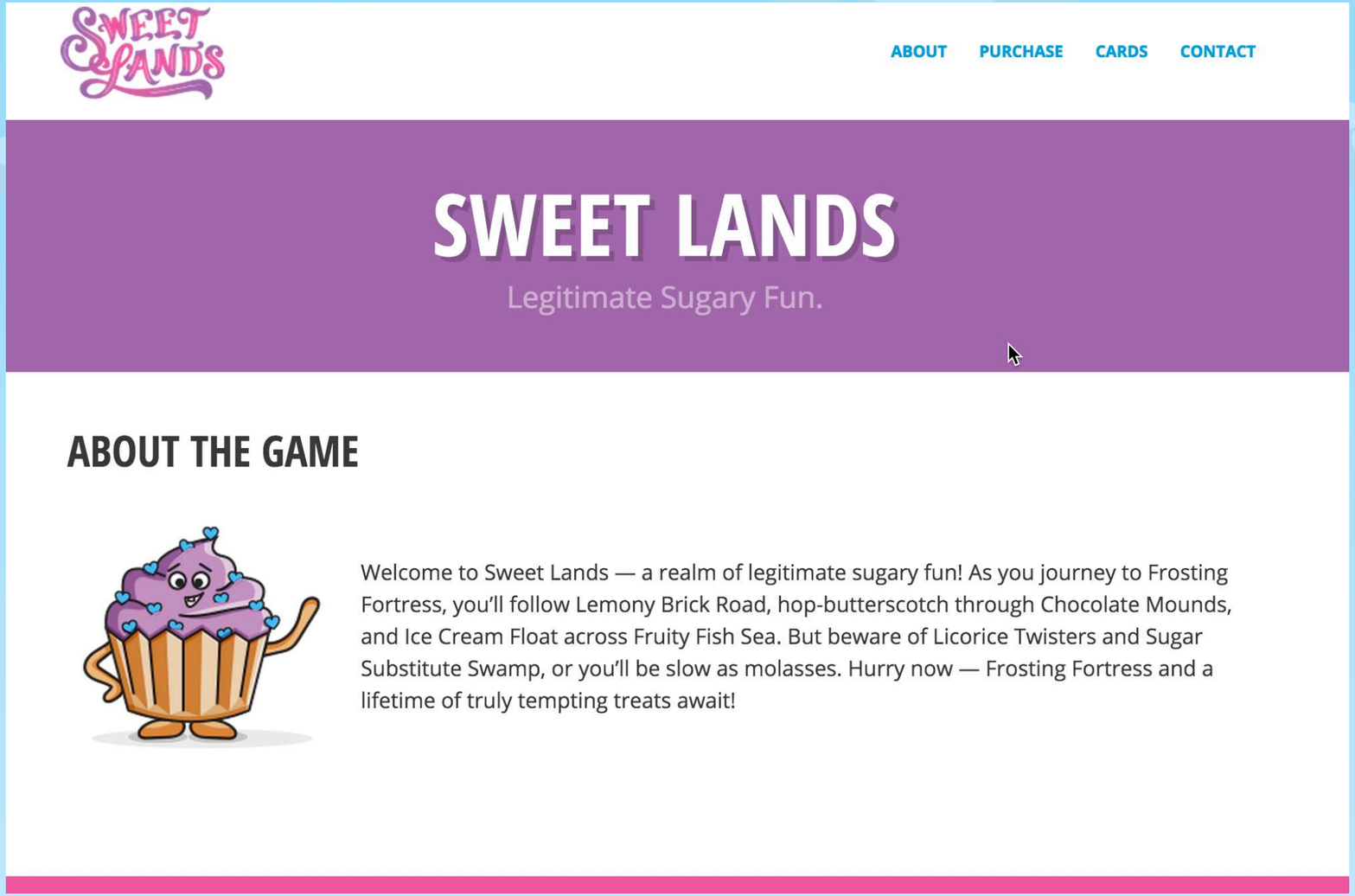
ADVENTURES
IN WEB ANIMATIONS

Level 1 – Transitions

SECTION 3

Transitioning Visibility

Current Application



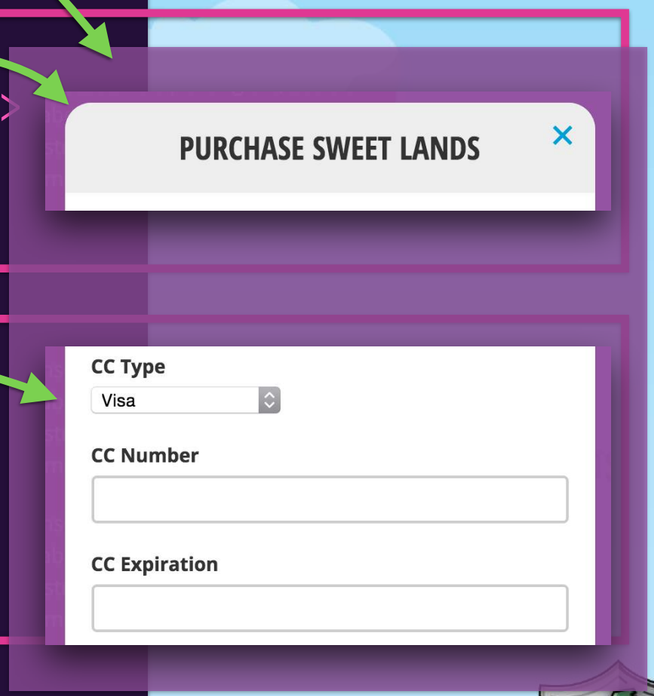
Creating the Form and Overlay

Here is the form we are going to display on button click.

```
<div class='modal-overlay'></div>

<div class='modal'>
  <div class='modal-header'>
    <a class='modal-close'>&times;</a>
    <h3>Purchase Sweet Lands</h3>
  </div>

  <div class='modal-content'>
    <form class='form' action=''>
      ...
    </form>
  </div>
</div>
```



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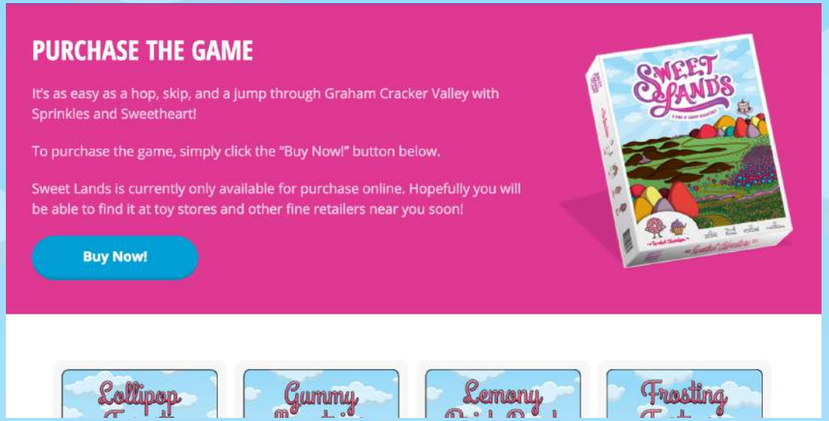
Setting the Initial and Active Modal Styles

Initial Modal State: Hidden

CSS

```css
.modal,
.modal-overlay {
  visibility: hidden;
  opacity: 0;
}
```

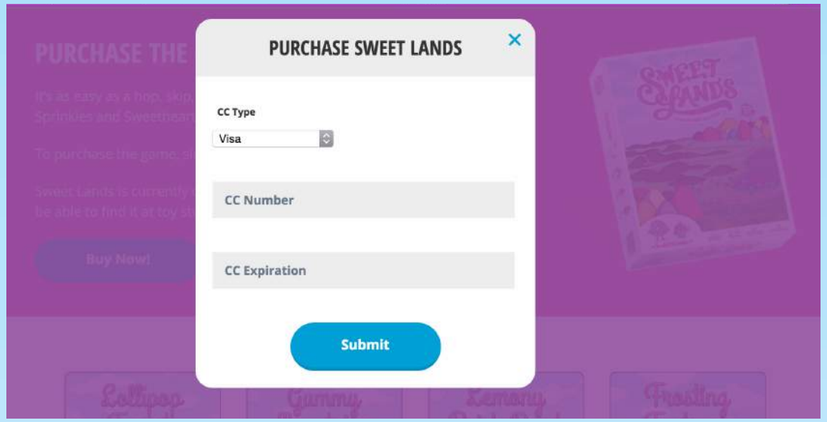


Active Modal State: Visible

CSS

```css
.modal.active,
.modal-overlay.active {
  opacity: 1;
  visibility: visible;
}
```

.active class is added when the button is clicked



Not All Properties Can Be Transitioned

`opacity: 0;` + `visibility: hidden;` =

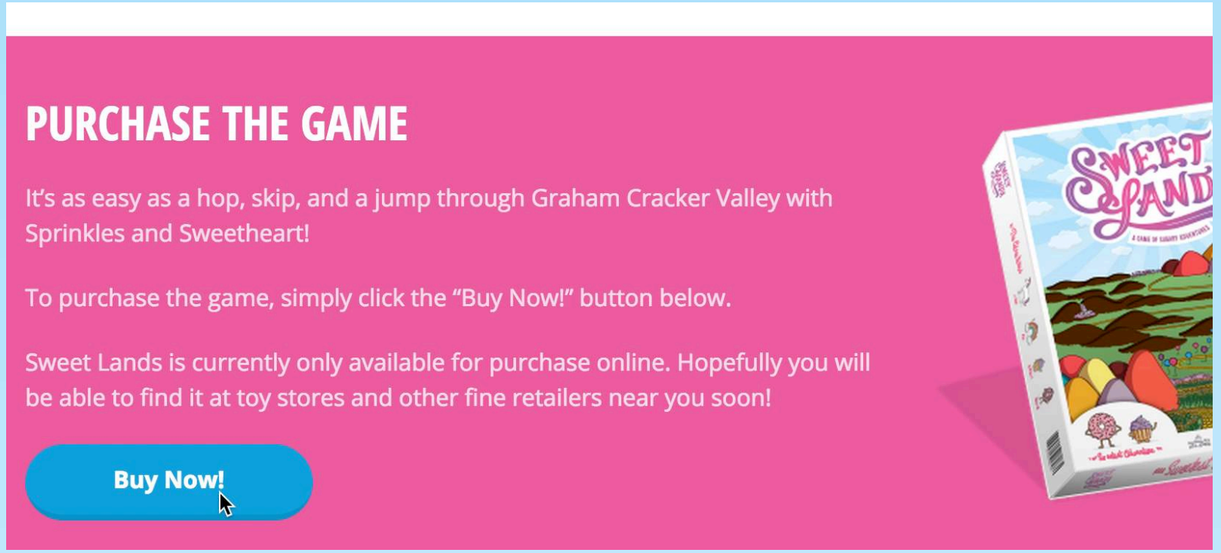
Hides element — element still takes up same width/height.

Makes element transparent to click events

when transitioning, use these instead of display

`display: none;`

Removes element from DOM — does not transition.



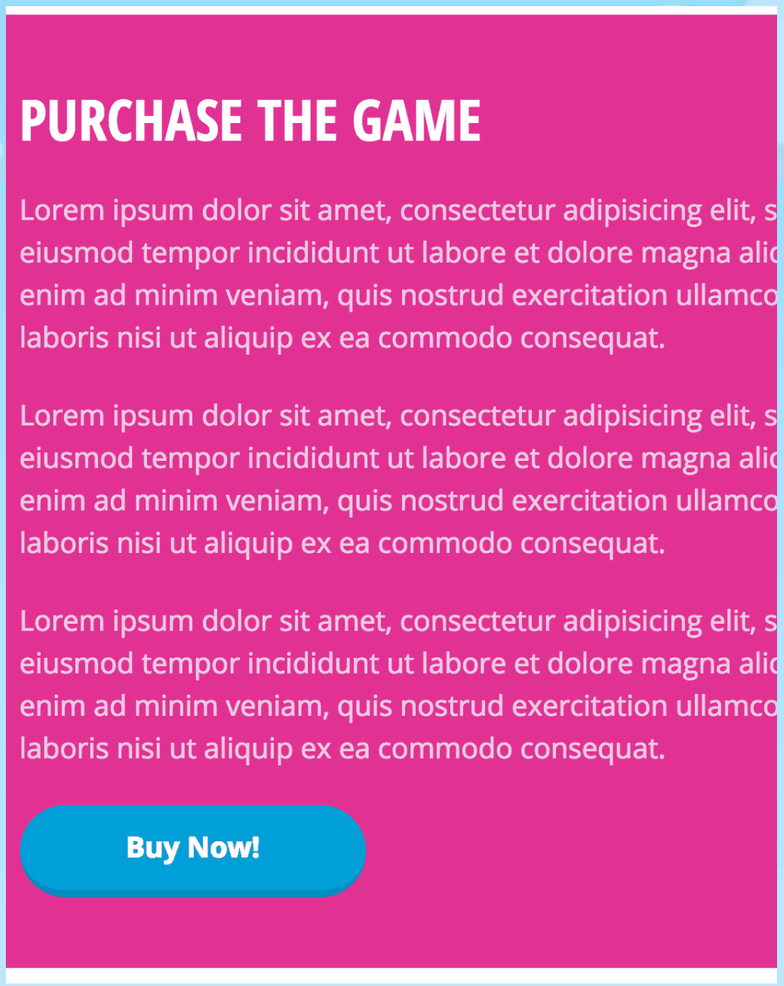
Transitioning Opacity

On button click, the form and overlay don't simply appear, but transition in nicely!

CSS

```css
.modal,
.modal-overlay {
  visibility: hidden;
  opacity: 0;
  transition: opacity .5s;
}
```

But why is it disappearing right away? What happened to the fade out?



Visibility Is Not Transitioning Out

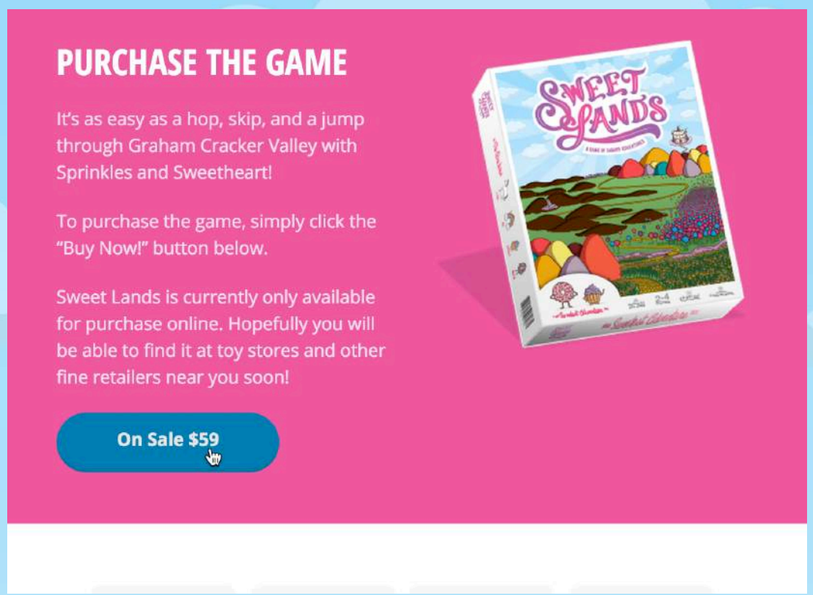
We need to also transition the visibility property.

CSS

```css
.modal,
.modal-overlay {
  visibility: hidden;
  opacity: 0;
  transition: opacity .5s, visibility .5s;
}
```

we can also just specify all

```css
transition: all .5s;
```



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How Can We Tell If a Property Can Be Transitioned?

Good rule of thumb: Ask, “Does it have a middle transitioning state?”

	start state	transitioning	end state
✓ **opacity**	0	0.5	1
✗ **display**	none	no possible middle state	block

what would that even be?
display: sort-of?

Adventures in Web Animations

Properties That Can Be Transitioned

background-color	margin-bottom	padding-bottom
background-position	margin-left	padding-left
border-left-color	margin-right	padding-right
border-left-width	margin-top	padding-top
border-spacing	max-height	right
color	max-width	text-indent
font-size	min-height	text-shadow
font-weight	min-width	vertical-align
left	opacity	visibility
letter-spacing	outline-color	word-spacing
line-height	outline-width	z-index

They are not set in stone, so always check the full list of **properties that can be transitioned:**

http://go.codeschool.com/transitionable-properties

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